



CONSTRUCTION EQUIPMENT

VOLVO L220H 2280 - FRONT AXLE



Sample No: VCP402045
Oil Type: MOBIL MOBILFLUID 424
Job No:



SAMPLE INFORMATION

Sample Number	VCP402045	VCP371240	VCP395436	VCP355900
Sample Date	10 Oct 2023	27 Feb 2023	06 Dec 2022	11 Apr 2022
Machine Hours	21192	20011	18802	17824
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	51.5	52.0	51.4	50.6
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CONTAMINATION

Silicon	ppm	18	16	16	11
Sodium	ppm	<1	<1	3	6
Potassium	ppm	0	0	0	0

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.



WEAR METALS

Iron	ppm	31	20	27	15
Copper	ppm	0	<1	<1	<1
Lead	ppm	0	<1	<1	<1
Tin	ppm	0	<1	<1	<1
Aluminum	ppm	<1	<1	2	1
Chromium	ppm	0	<1	<1	<1
Molybdenum	ppm	<1	5	6	5
Nickel	ppm	0	0	0	0
Titanium	ppm	0	0	<1	<1
Silver	ppm	0	<1	0	<1
Manganese	ppm	<1	1	<1	<1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	3265	3292	3201	3213
Magnesium	ppm	35	42	52	58
Zinc	ppm	1342	1257	1287	1305
Phosphorus	ppm	1136	1002	1023	1165
Barium	ppm	<1	0	<1	0
Boron	ppm	111	105	109	106

Depot: VOLVO1835
Unique No: 10699887
Signed: Wes Davis
Report Date: 19 Oct 2023



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VOLVO GRAPHS

